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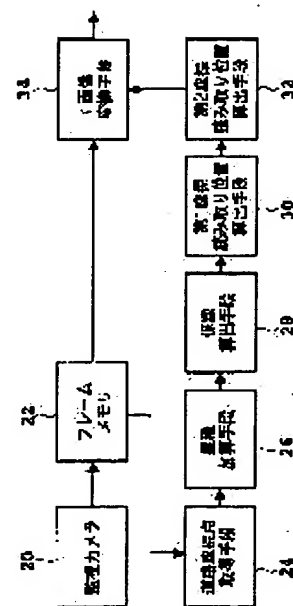
(54) ROAD STATE IMAGE PROCESSING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a road state image processing device capable of making the aspect ratio of a vehicle constant and simultaneously displaying a plurality of road monitoring images.

SOLUTION: This processing device comprises a frame memory arranged in the periphery of a road to store a road monitoring image taken by a monitoring camera for photographing the road state; a road coordinate point gaining means located on each input line Y_i of frame memories to gain a left end coordinate point X_{il} and a right end coordinate point X_{ir} in the frame memories of the road left end and right end; a cumulative adding means for determining the cumulative added value of $(X_{ir}-X_{il})$ for the input line Y_i ; a first coordinate reading position calculating means for calculating the input line Y_u of the road state image corresponding to an output line Y_o ; a second coordinate reading position calculating means for calculating the road left end and right end on the input line Y_j every output line Y_o ; and an image converting means for converting the road monitoring image between the road left end and right end on the input line Y_j to an output image with a width W on the output line Y_o .

本発明の原理図



LEGAL STATUS

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